

FIGURE 1 - SYSTEM BLOCK DIAGRAM

Title	Figure 1 - System Block Diagram
Size	Document Number
Date	Sheet of

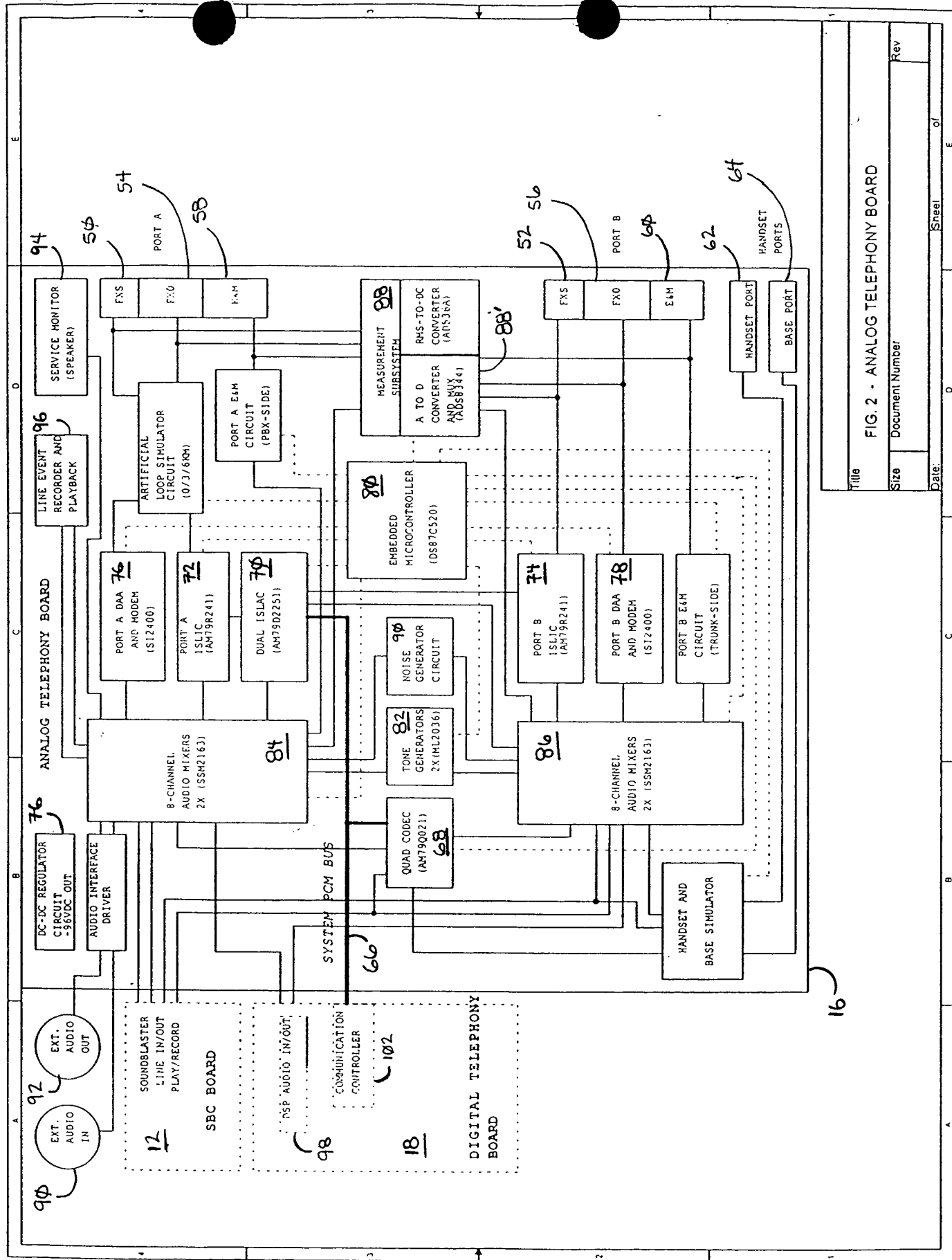


FIG. 2 - ANALOG TELEPHONY BOARD

Title: _____ Size: _____ Document Number: _____ Rev: _____

Date: _____ Sheet _____ of _____

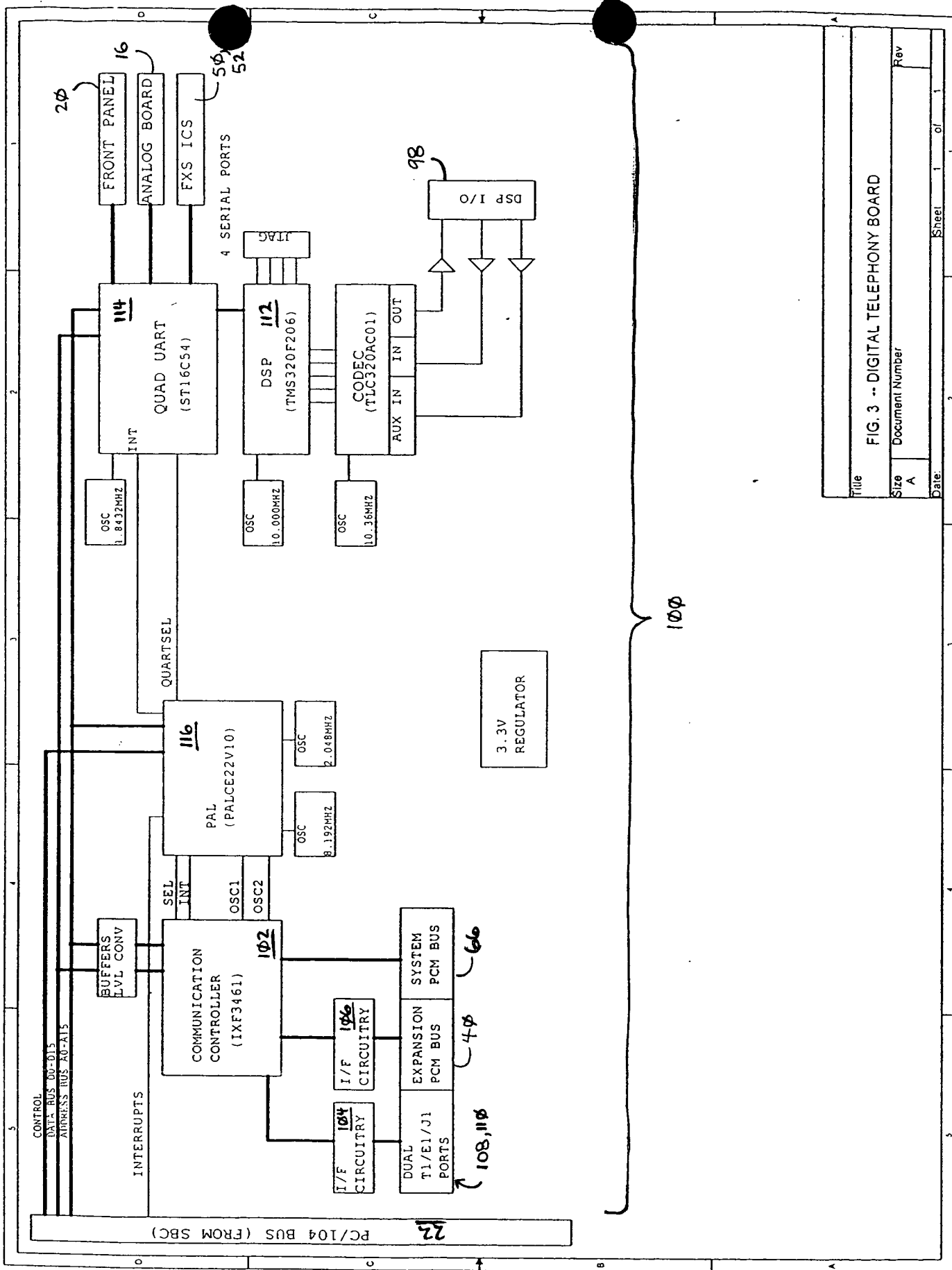


FIG. 3 -- DIGITAL TELEPHONY BOARD

Title
Size
A

Document Number

Rev

Date:

Sheet 1 of 1

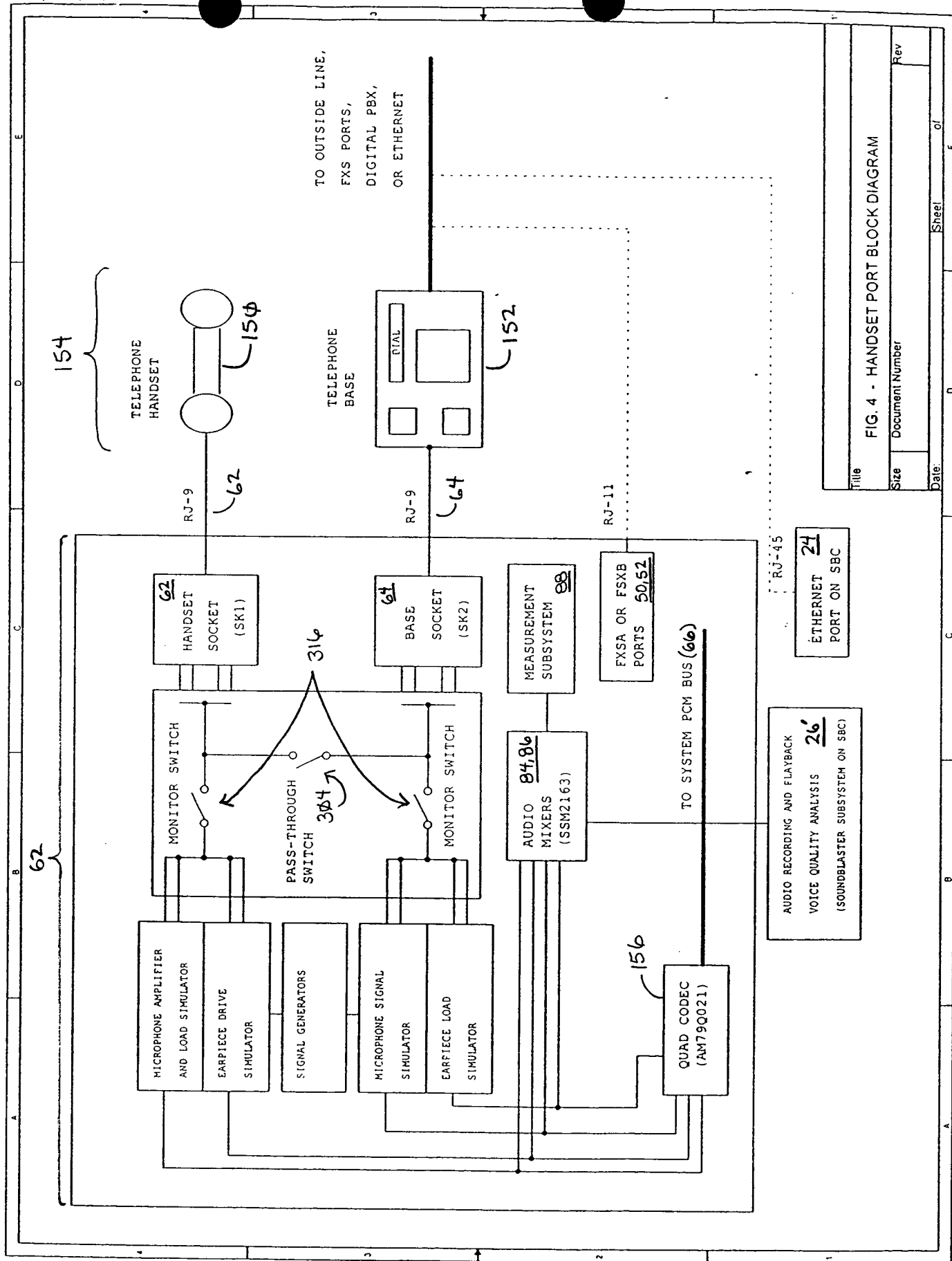


FIG. 4 - HANDSET PORT BLOCK DIAGRAM

Title	
Size	Document Number
Rev	
Date	Sheet of

AUDIO RECORDING AND PLAYBACK
VOICE QUALITY ANALYSIS (26)
(SOUNDBLASTER SUBSYSTEM ON SBC)

ETHERNET (24)
PORT ON SBC

FXSA OR FXSB
PORTS (50, 52)

TO SYSTEM PCM BUS (66)

QUAD CODEC
(AM79Q021)

AUDIO MIXERS
(SSM2163)

MEASUREMENT
SUBSYSTEM (88)

BASE
SOCKET (SK2)
(64)

HANDSET
SOCKET (SK1)
(62)

PASS-THROUGH
SWITCH (304)

MONITOR SWITCH

MONITOR SWITCH

MICROPHONE AMPLIFIER
AND LOAD SIMULATOR

EARPIECE DRIVE
SIMULATOR

SIGNAL GENERATORS

MICROPHONE SIGNAL
SIMULATOR

EARPIECE LOAD
SIMULATOR

TO OUTSIDE LINE,
FXS PORTS,
DIGITAL PBX,
OR ETHERNET

TELEPHONE
BASE

TELEPHONE
HANDSET

154

152

156

A

B

C

D

E

A

B

C

D

E

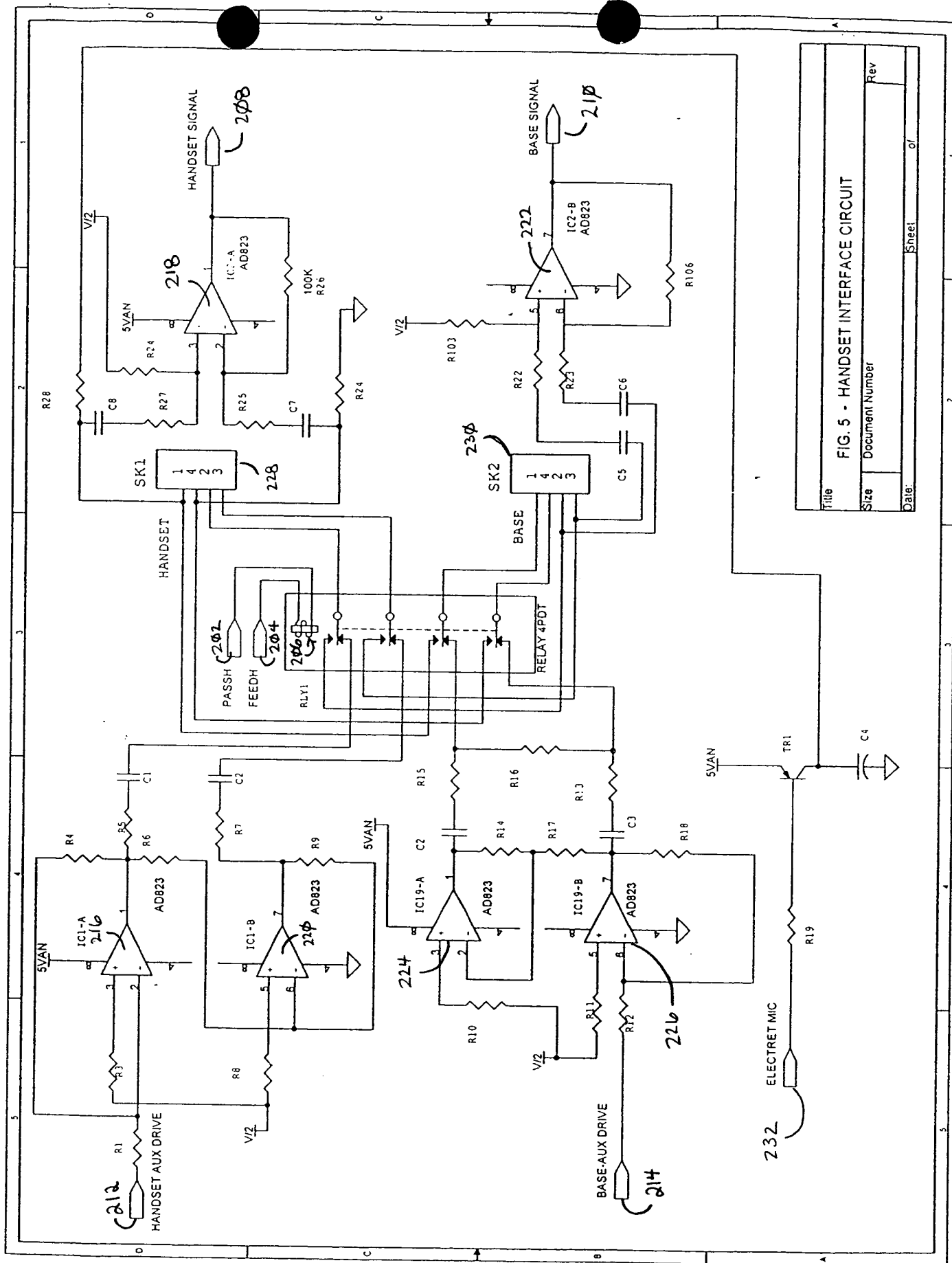


FIG. 5 - HANDSET INTERFACE CIRCUIT

Document Number

Rev

Date: Sheet of

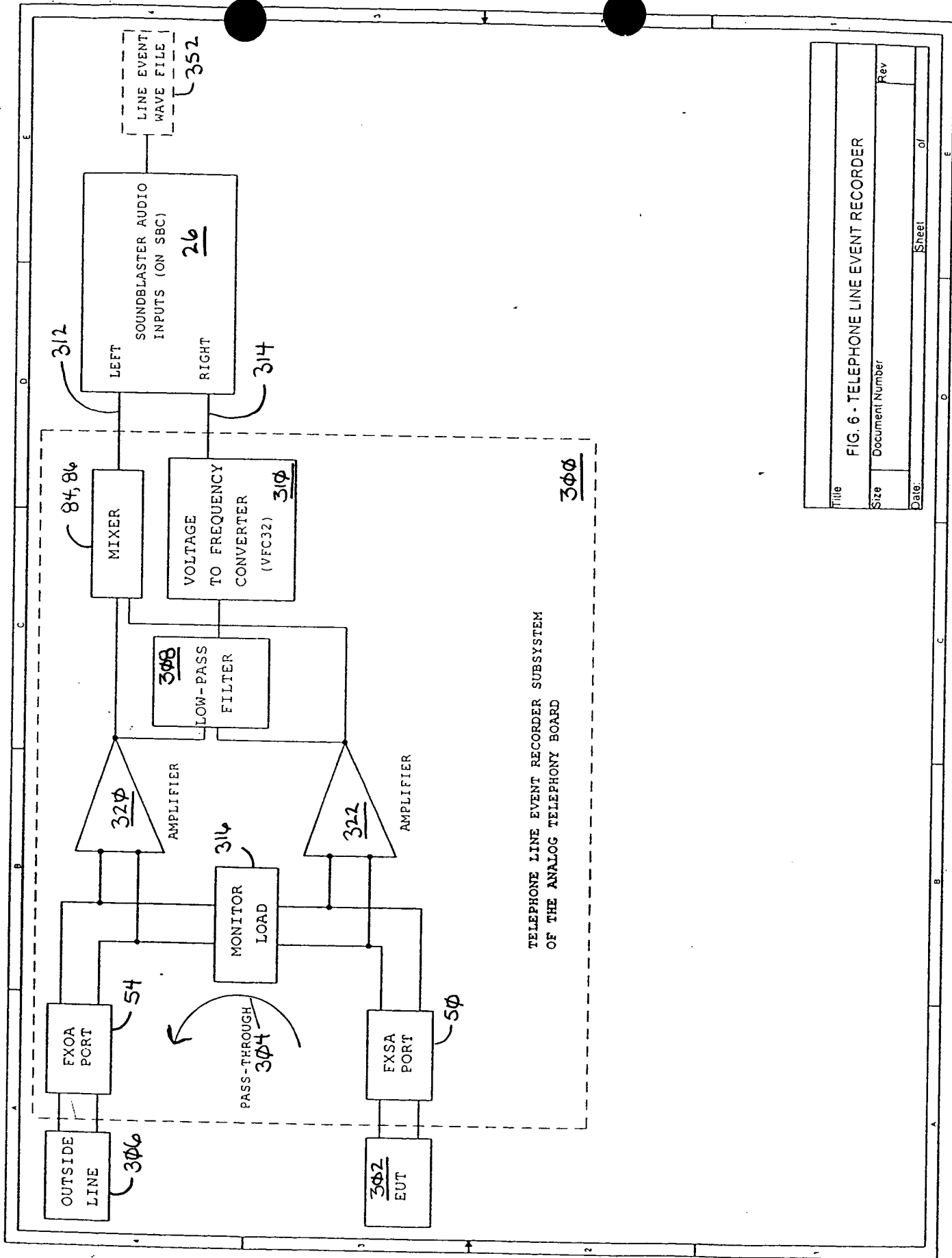


FIG. 6 - TELEPHONE LINE EVENT RECORDER

Size Document Number

Rev

Date: Sheet of

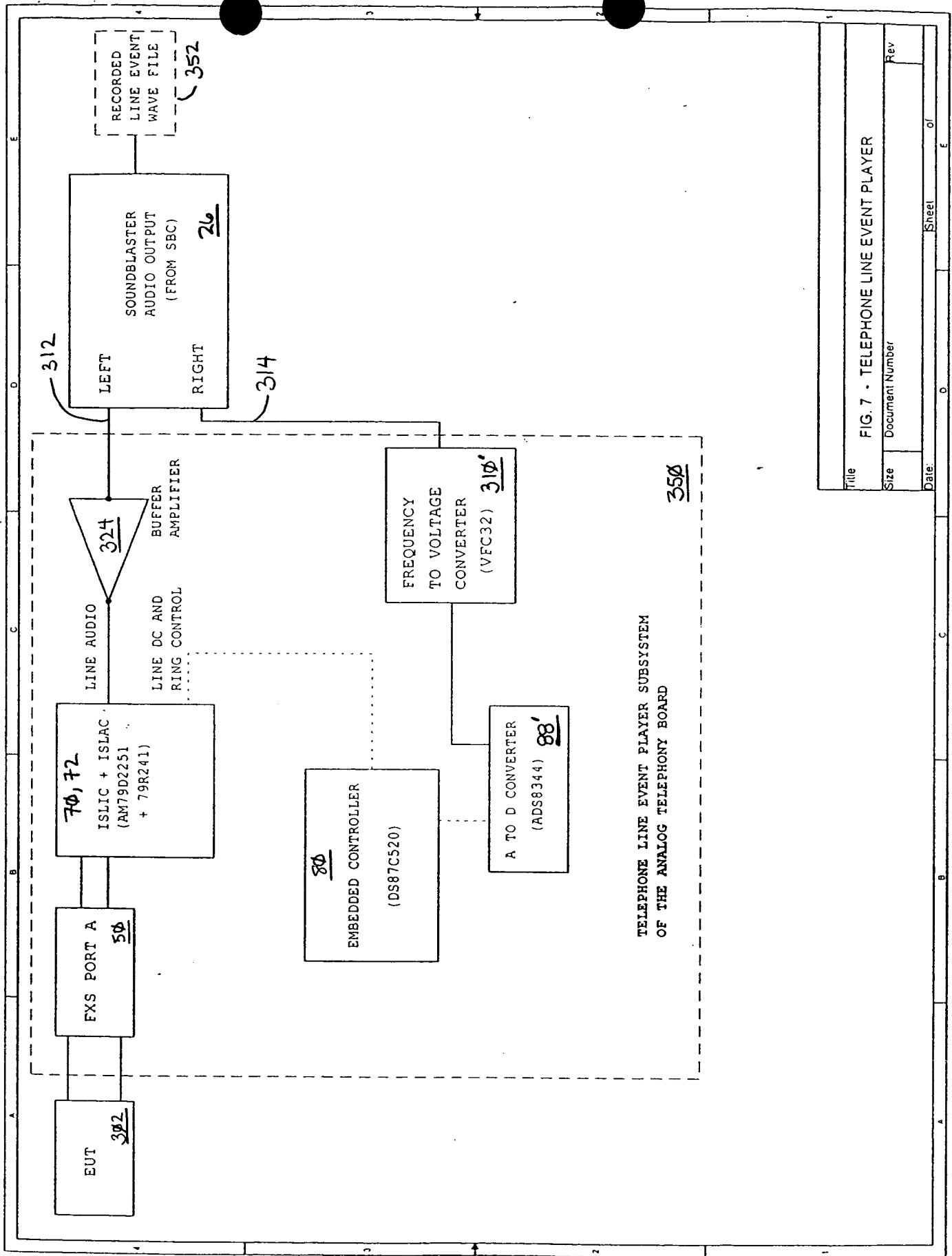


FIG. 7 - TELEPHONE LINE EVENT PLAYER

Title	Size	Document Number	Rev
Date	Sheet	of	

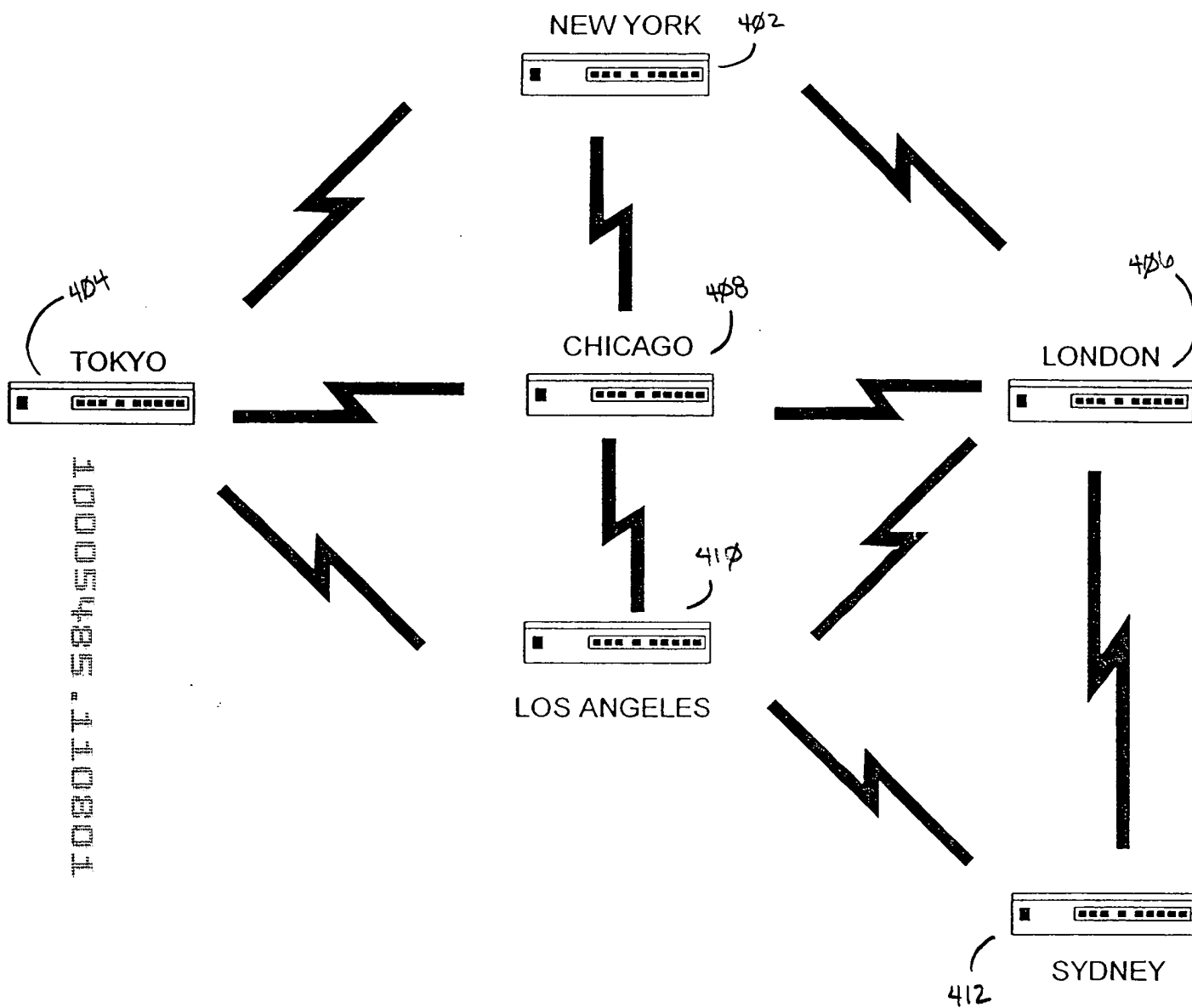
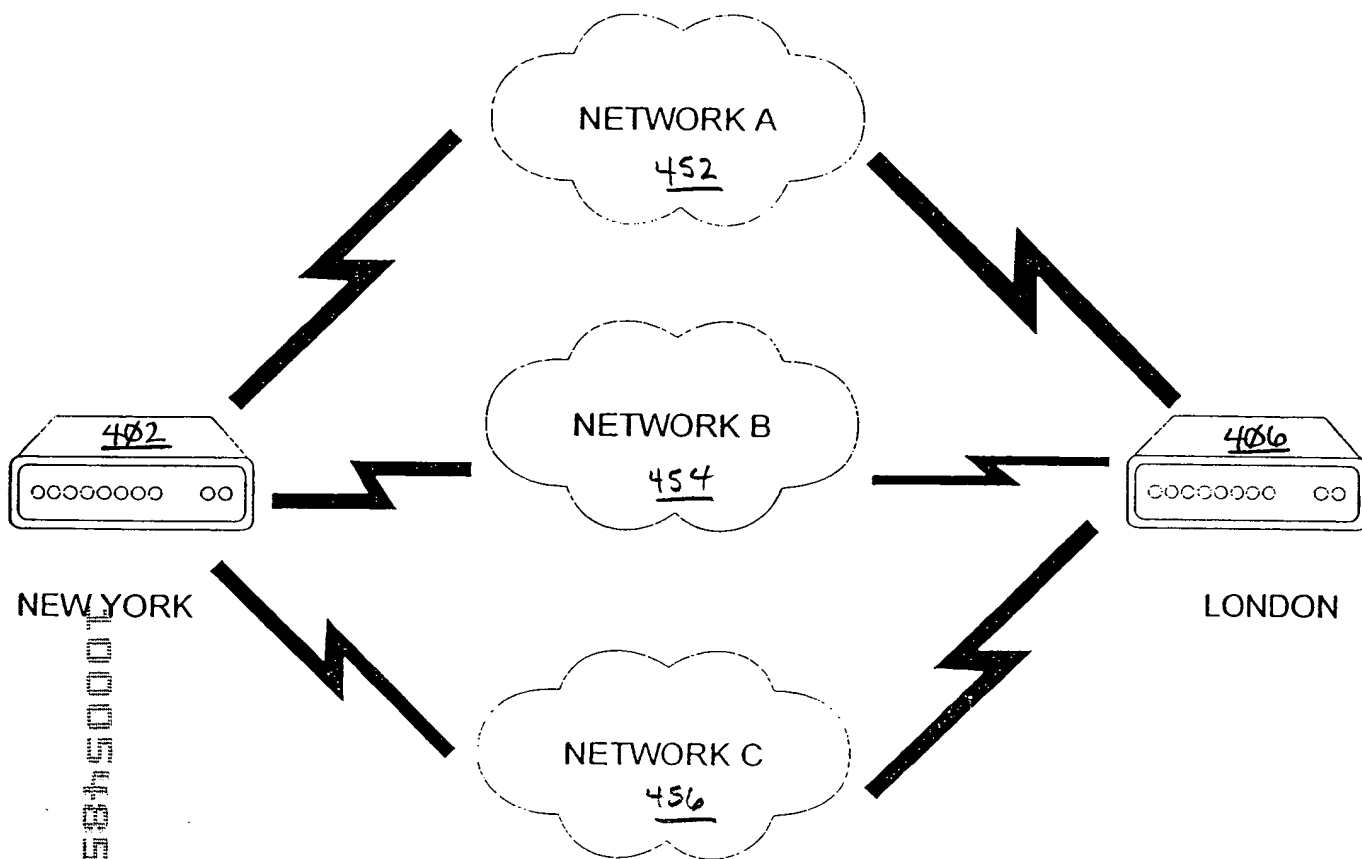


FIGURE 8 - A NETWORK OF SERVICE QUALITY TESTERS



NEW YORK

LONDON

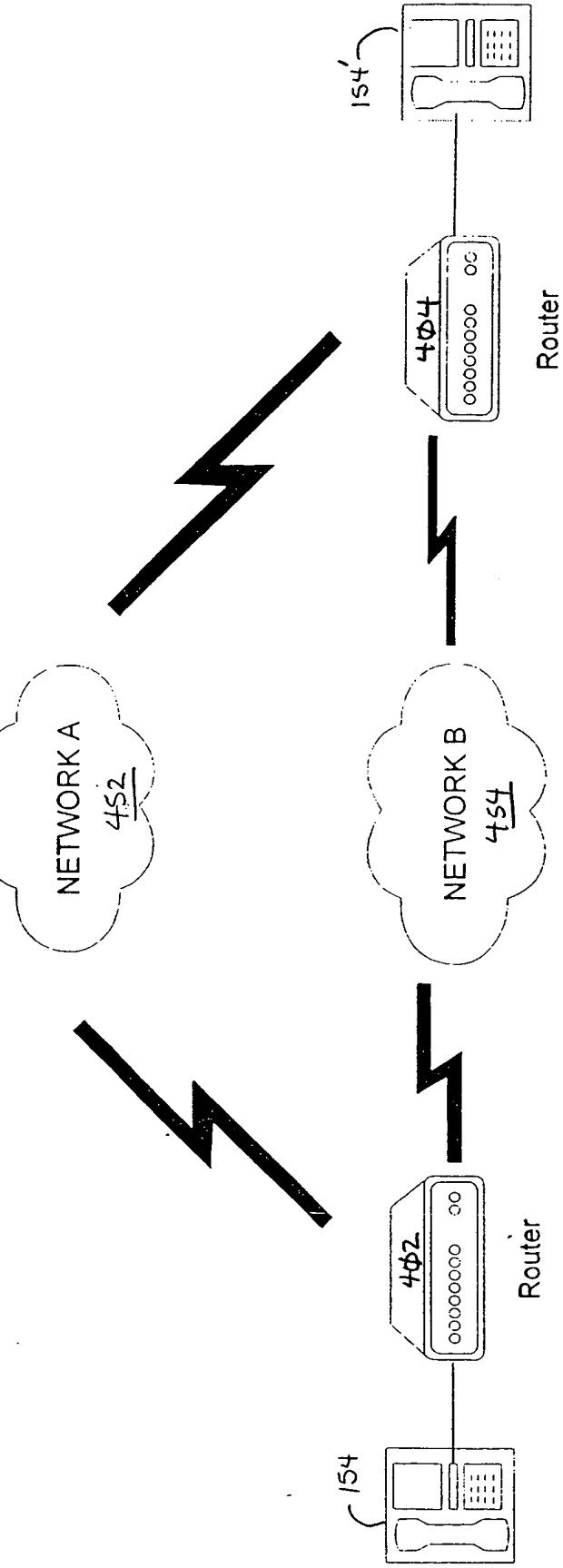
460

	A	B	C
PSQM (1-10)	6	6	7
COST (1-10)	8	7	5
PACKET TESTS (1-5)	3	3	4
TELEPHONY TESTS (1-5)	2	5	4
TOTAL	19	21	20

NETWORK B OFFERS BEST QUALITY / VALUE

FIGURE 9 - CHOICE OF VON CARRIER FOR BEST QUALITY / VALUE

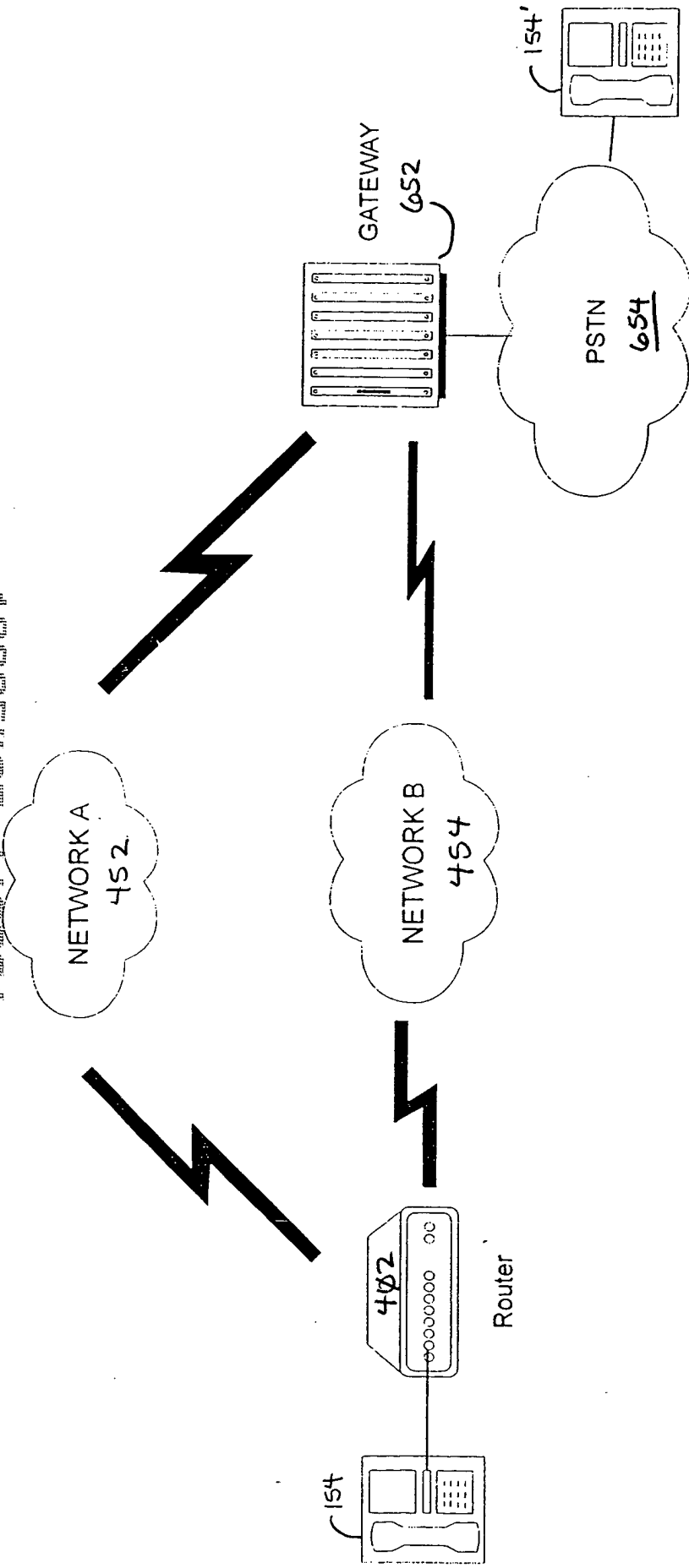
FIGURE 10 - CALL-IN-PROGRESS SWITCHOVER DUE TO A CHANGE IN QUALITY



CALL IS MADE THOROUGH VON CARRIER A, BUT IS SWITCHED TO CARRIER B DUE TO A CHANGE IN THE QUALITY.

FIGURE 10 - CALL-IN-PROGRESS SWITCHOVER DUE TO A CHANGE IN QUALITY

TELEPHONE SECTOR



CALL IS MADE THOROUGH VON CARRIER A, BUT IS SWITCHED TO CARRIER B DUE TO A CHANGE IN THE QUALITY.

FIGURE 11 - CALL-IN-PROGRESS SWITCHOVER ON A PSTN-TERMINATED CALL